

Botany tree planting project



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Life sciences: biology, human anatomy, botany & zoology

Grand View Christian

Des Moines Public Works- Forestry

Part I: General Overview of Business

The forestry department of Des Moines Public Works' mission is to maintain a healthy urban forest by providing expert maintenance for the trees found in the right-of-way (ROW) and other trees located throughout in city-owned cemeteries, golf courses and parks.

Part II: Job Specifics

- Taking care of the trees in the city, alive and dead, and making improvements in the urban environment of Des Moines by planting new trees.
- We are recording the new tree plants from this spring onto a computer program. They can then evaluate the coverage in Des Moines and the advantage provided. We can also see the different types of trees in an area.

Part III: Introduce the Problem

- The building of the tree population in and around the city, including the school environment.
- We will investigate the possibility of planting trees around the school.

Part IV: Background

- The students will need to identify which trees are native to Iowa and will grow the best.
- The city forestry department is looking at the whole population of trees in the city liits, what we have registered in the program.
- This can be seen on the website desmoinesia.mytreekeeper.com
- This also includes the benefits of trees to a community.

Part V: Business Solution

- There is evidence that trees around a school help students to think and work better.
- The city forestry department is working on making a balanced tree population so a disease, the emerald ash borer, will not

Part VI: Student Solutions

- The objective is that the students will see the benefits of trees in a neighborhood and design a plan to plant trees around the school.